

WHAT I CLAIM IS:

1. An adjustable one-piece mount for providing adjustability for an archery scope comprising:

a unitary adjustable mounting plate having a first lateral side surface, a second lateral side surface, an upper end and a lower end;

said first lateral surface having a vertical midpoint and a horizontal midpoint, and a plurality of vertically spaced apart aligned openings located between said upper end and said lower end, the lowermost one of said openings forming an arcuate configuration; and

a mounting bar horizontally integral to and projecting laterally outwardly away from said first lateral surface, said mounting bar having a third lateral surface, spaced laterally outwardly of said first lateral surface;

upper and lower opposed horizontal edges adjacent said third lateral laterally outer surface; and

a horizontal groove in each of said upper and lower edges such that said third lateral surface, said upper and lower edges and said horizontal grooves, in combination, form a dovetail protrusion, and

a plurality of channels perpendicular to, and spaced along said third laterally outer surface of the mounting bar.

2. The adjustable mounting plate set forth in claim 1 wherein said plurality of vertically spaced apart openings are aligned through said vertical midpoint; and said horizontal grooves being essentially V-shaped.

3. An adjustable one-piece mount as claimed in claim 1 wherein the mount is manufactured from materials selected from a group consistent of metal, plastic, composite plastic, glass, ceramic, wood, and fiberglass.
4. The adjustable one-piece mounting plate set forth in claim 1 wherein a first pair of said openings are vertically spaced apart a predetermined distance, a second pair of said openings are vertically spaced apart said predetermined distance, the lowermost one of said first pair being disposed between said second pair of openings; said one opening, forming an arcuate configuration comprising the lowermost one of said second pair of openings.
5. An adjustable one-piece scope mount for adjustably mounting an archery scope, said scope mount comprising:
- a unitary, adjustable elongate mounting plate having
    - front and rear ends,
    - a first lateral side surface, adapted for mounting on a bow, and a second laterally spaced apart lateral side surface,
    - an upper terminal edge,
    - a lower terminal edge; and
    - a plurality of vertically spaced apart openings disposed between said upper and lower terminal edges and extending between said first and second lateral side surfaces, one of said openings forming an arcuate configuration; and
    - an elongate dovetail sight mounting bar integral to, and projecting laterally outwardly from, said second lateral side surface;
  - said sight mounting bar including

upper and lower edge portions,

a third lateral side surface disposed between said upper and lower edge portions, spaced laterally outwardly of said second lateral side surface,

an elongate groove in each of said upper and lower edge portions, and

a plurality of longitudinally spaced apart, channels, perpendicular to said sight mounting bar, disposed in said third lateral side surface.

6. The mounting plate set forth in claim 5 wherein said one opening comprises the lowermost one of said aligned openings.

7. The mounting plate set forth in claim 6 wherein said elongate grooves in each of said upper and lower edge portions is V-shaped.

8. The mounting plate set forth in claim 7 wherein said V-shaped grooves are disposed laterally outwardly of said second lateral side surface.

9. The mounting plate set forth in claim 8 wherein said channels lie in a plane parallel to said predetermined plane.

10. The mounting plate set forth in claim 6 wherein said mounting plate includes a vertical mid-point between said upper and lower edges and a horizontal mid-point between said front and rear ends, said vertically spaced apart openings being aligned with said vertical mid-point and said sight mounting bar being aligned with said horizontal midpoint.

11. The adjustable mount set forth in claim 5 wherein said plate lies in a predetermined plane and said dovetailed sight mounting bar lies in a second plane perpendicular to said predetermined plane.

12. The adjustable mounting plate set forth in claim 11 wherein said longitudinally spaced apart channels lie in a third plane parallel to said predetermined plane.
13. The adjustable mount set forth in claim 5 wherein a first pair of said openings are vertically spaced apart a predetermined distance, a second pair of said openings are vertically spaced apart said predetermined distance, the lowermost one of said first pair being disposed between said second pair of openings; said one opening, forming an arcuate configuration comprising the lowermost one of said second pair of openings.
14. The adjustable mount set forth in claim 13 wherein said plate lies in a predetermined plane and said dovetail sight mounting bar lies in a second plane which is perpendicular to said base and intersects said third lateral side surface.
15. The adjustable mount set forth in claim 5 wherein said one opening and a second one of said opening are spaced apart a predetermined distance; a third one of said openings is disposed between said one opening and said second one of said openings, a fourth one of said openings is disposed above said second one of said openings, said third and fourth openings being spaced apart a distance equal to said predetermined distance between said first and second openings.
16. The adjustable mount set forth in claim 5 wherein alternate ones of said openings are spaced apart essentially the same distance.
17. An adjustable scope mount for mounting a sighting scope on an archery bow having spaced apart opposite bow ends,  
a riser intermediate said bow ends including front and rear spaced apart elongate edge portions spanned by laterally spaced apart elongate lateral side surfaces;

an arrow rest provided on one of said laterally spaced apart elongate surfaces;

said scope mount including:

a front to rear longitudinally extending base having

front to rear longitudinally spaced apart ends,

a laterally inner surface spanning said front to rear ends for abutting said one laterally spaced apart elongate surface, and

a laterally outer surface disposed between said front to rear ends;

a front to rear longitudinally extending dovetail guide integral with, but projecting laterally outwardly of, said laterally outer surface for mounting the sighting scope for front to rear longitudinal movement thereon to any selected one of a plurality of longitudinally spaced apart positions; and

means for swingably detachably mounting said base on said riser for swinging movement about a laterally extending axis, with said laterally inner surface of said base disposed in abutting relation with said one laterally spaced apart elongate surface.

18. The adjustable scope mount set forth in claim 17 further including a plurality of longitudinally extending, vertically spaced apart slots provided in said dovetail guide for receiving a portion of the scope.

19. The adjustable scope mount set forth in claim 18 wherein said dovetail guide includes a laterally outer dovetail guide portion including longitudinally spaced apart, longitudinally extending dovetail slots, and a plurality of longitudinally front to rear spaced apart slots through said laterally outer dovetail portion.

20. The adjustable scope mount set forth in claim 19 wherein said means for swingably detachably mounting said base includes a plurality of spaced apart apertures through said base, one of said apertures having an arcuate shape.

21. The adjustable scope mount set forth in claim 20 wherein said means for swingably detachably mounting includes a pivot extending through one of said apertures, and a guide pin received in said arcuately shaped aperture permitting arcuate swinging movement of said base about said pivot, and means receivable in at least one of said apertures for detachably locking said base to said one laterally outer surface.

22. The adjustable scope mount set forth in claim 18 wherein said base lies in a predetermined plane, said plurality of front to rear spaced apart slots are parallel to said predetermined plane.

23. The adjustable scope mount set forth in claim 22 wherein said dovetail guide lies in a plane perpendicular to said plane of said base; and said front to rear spaced apart slot lying in a third plane parallel to said predetermined plane.

24. A one-piece mounting plate for adjustably mounting a sighting scope on an upstanding archery bow having a forward mid-portion and rearwardly disposed upper and lower ends coupled to said lower mid portion and adapted to be spanned by a bow string;

said mid-portion having a pair of elongate laterally spaced apart longitudinally extending mounting surfaces;

one of said mounting surfaces including an arrow rest;

said one-piece mounting plate comprising

a front to rear extending base having

front and rear ends

laterally spaced apart inner and outer surfaces disposed between said front and rear ends,

a front to rear extending dovetail guide, integral with and projecting laterally outwardly from, said laterally outer surface of said base for mounting a sighting scope thereon for front to rear movement to any selected one of a plurality of front to rear spaced apart positions, and a plurality of laterally outwardly opening, elongate front to rear spaced apart mounting slots provided on said dovetail guide for receiving a portion of the scope.

25. The one-piece mount set forth in claim 24 wherein said base includes means for vertically and horizontally adjustably mounting said plate on the archery bow.

26. The one-piece mount set forth in claim 25 wherein said means for mounting said mounting plate on the bow comprises a plurality of spaced apart apertures extending through said base between said laterally spaced apart inner and outer surfaces for receiving a transversely extending pivot.

27. The one-piece mount set forth in claim 24 wherein said dovetail guide comprises a pair of upper and lower spaced apart guide surfaces defining front to rear extending, parallel guide rails for guiding the scope for front and rear movement thereon.

28. The mounting plate set forth in claim 24 wherein said mounting plate lies in a predetermined plane and said dovetail guide lies in a second plane perpendicular to said predetermined plane and intersects a horizontal and vertical midpoint of the plate positioned between said front and rear ends and the upper and lower terminal edges of the plate.

29. The mounting plate set forth in claim 28 wherein said front to rear spaced apart slots lie in a third plane parallel to said first plane.

30. In combination:

an elongate archery bow lying in a predetermined plane having  
vertically spaced apart opposite ends,

a riser between and coupled to said ends including front and rear spaced apart edge portions spanned by laterally spaced apart upstanding lateral side surfaces, and

an arrow rest provided on one of said laterally spaced apart lateral side surfaces;

an adjustable one-piece scope mounting member for mounting a scope on said one lateral side surface comprising

a front to rear, longitudinally extending base, lying in a second plane generally parallel to said predetermined plane, having

a laterally inner surface for abutting said one lateral side, surface and

a first laterally outer surface;

said first laterally outer surface including an integral laterally outwardly projecting, longitudinally extending, dovetail guide for mounting a sighting scope on said bow for front to rear sliding movement thereon to any selected one of a plurality of different, longitudinally spaced apart positions relative to said bow; and

means for swingably mounted said scope mount member on said bow about an axis normal to said plane with said laterally inner surface abutting said one lateral side surface of said bow.

31. The combination set forth in claim 30 wherein said dovetail guide lies in a plane perpendicular to said second plane.



32. The combination set forth in claim 31 wherein said dovetail guide includes a second laterally outer surface spaced laterally outwardly of, and parallel to, said first laterally outer surface.

33. The combination set forth in claim 32 wherein said dovetail guide includes upper and lower spaced apart edge portions including elongate scope mounting grooves on opposite sides of said second laterally outer surface.

34. The combination set forth in claim 32 wherein said second laterally outer surface includes a plurality of vertically extending, longitudinally spaced apart scope mounting slots which lie in a third plane parallel to said second plane.

35. The combination set forth in claim 30 wherein said means for swingably mounting comprises a plurality of vertically spaced apart apertures extending through said base.

36. The combination set forth in claim 35 wherein one of said apertures is arcuate.

37. The combination set forth in claim 36, wherein said one aperture comprises the lowermost one of said apertures.

38. The combination set forth in claim 30 wherein said riser includes a pair of threaded recesses provided in said one lateral side surface and spaced apart a predetermined distance, a first pair of said openings being spaced apart said predetermined distance, the lowermost one of said pair of openings having an arcuate shape.

39. The combination set forth in claim 38 wherein at least a second pair of said openings said predetermined distance.

40. The combination set forth in claim 39 wherein the lowermost opening of said second pair of openings is disposed between said first pair of openings.